



**BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION**

**MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908**

NOTICE OF ACCEPTANCE (NOA)

**Lawson Industries, Inc.
8501 NW 90 ST
Medley, FL 33166**

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Series 1161 Aluminum Awning Window

APPROVAL DOCUMENT: Drawing No. **W96-44**, titled "Series-1161 Awning Type Window," Sheets 1 through 3 of 3, dated 11/21/96, with revision "C" dated 5/21/03, prepared by Al-Farooq Corporation, signed and sealed by Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: None

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **renews NOA # 00-0519.03** and consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by **Manuel Perez, P.E.**



**NOA No 03-0530.02
Expiration Date: August 28, 2008
Approval Date: July 10, 2003
Page 1**

Lawson Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

(For File ONLY. Not part of NOA)

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **W96-44**, titled "Series-1161 Awning Type Window," Sheets 1 through 3 of 3, dated 11/21/96, with revision "C" dated 5/21/03, prepared by Al-Farooq Corporation, signed and sealed by Humayoun Farooq, P.E.

B. TESTS

Submitted under NOA#00-0519.03

1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 20294
3) Water Resistance Test, per FBC, TAS 202-94
4) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
along with installation diagram of an aluminum awning window prepared by Fenestration Testing Laboratory, Inc., Report No. **FTL-1349**, dated 07/22/96, signed and sealed by Gilbert Diamond, P.E.

C. CALCULATIONS

1. Comparative Analysis and Anchor Calculations for Lawson Industries, Inc., of Awning Type Window by Al-Farooq Corporation, dated 5/22/03, signed and sealed by Humayoun Farooq, P.E.

Submitted under NOA#00-0519.03

2. Comparative Analysis and Anchor Calculations for Lawson Industries, Inc., of Awning Type Window by Al-Farooq Corporation, dated November 15, 1996, signed and sealed by Humayoun Farooq, P.E.

D. MATERIAL CERTIFICATIONS

1. None

E. STATEMENTS

1. Statement letter of no change issued by Lawson Industries, Inc., dated 6/21/02, signed by Nelson Erazo.

F. OTHER

1. Notice of Acceptance No. **00-0519.03** Lawson Industries, Inc., for their "Series 1161 Aluminum Awning Window", approved on 7/20/00 and expiring on 8/28/03.



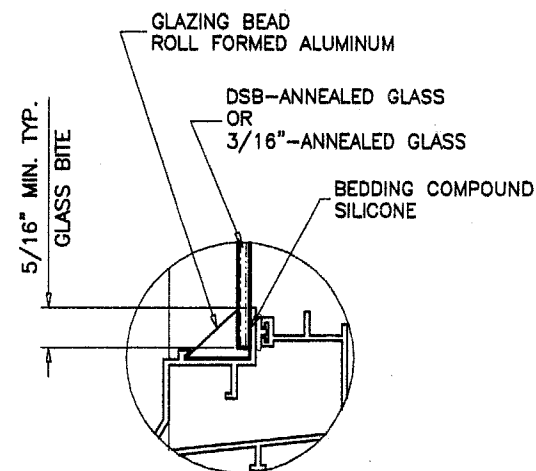
Manuel Perez, P.E.
Product Control Examiner
NOA No 03-0530.02
Expiration Date: August 28, 2008
Approval Date: July 10, 2003

COMPARATIVE ANALYSIS CHART							
AWNING TYPE WINDOW SERIES 1161							
DESIGN LOAD CAPACITY - PSF							
WINDOW DIMS.		NUMBER OF VENTS	NUMBER OF ANCHORS/JAMB	DSB-ANNEALED GLASS		3/16"-ANNEALED GLASS	
WIDTH	HEIGHT			EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
19-1/8"	26"	2	3	66.7	78.4	66.7	125.4
26-1/2"		2	3	66.7	78.4	66.7	106.8
37"		2	3	66.7	71.0	66.7	71.0
53-1/8"		2	3	46.9	46.9	46.9	46.9
19-1/8"	38-3/4"	3	4	66.7	78.4	66.7	125.4
26-1/2"		3	4	66.7	78.4	66.7	104.7
37"		3	4	66.7	69.4	66.7	69.4
53-1/8"		3	4	45.7	45.7	45.7	45.7
19-1/8"	50-5/8"	4	5	66.7	78.4	66.7	125.4
26-1/2"		4	5	66.7	78.4	66.7	103.9
37"		4	5	66.7	68.8	66.7	68.8
53-1/8"		4	5	45.3	45.3	45.3	45.3
19-1/8"	63"	5	6	66.7	78.4	66.7	125.4
26-1/2"		5	6	66.7	78.4	66.7	103.3
37"		5	6	66.7	68.3	66.7	68.3
53-1/8"		5	6	44.9	44.9	44.9	44.9
19-1/8"	74-1/4"	6	7	66.7	78.4	66.7	125.4
26-1/2"		6	7	66.7	78.4	66.7	104.0
37"		6	7	66.7	68.9	66.7	68.9
53-1/8"		6	7	45.3	45.3	45.3	45.3

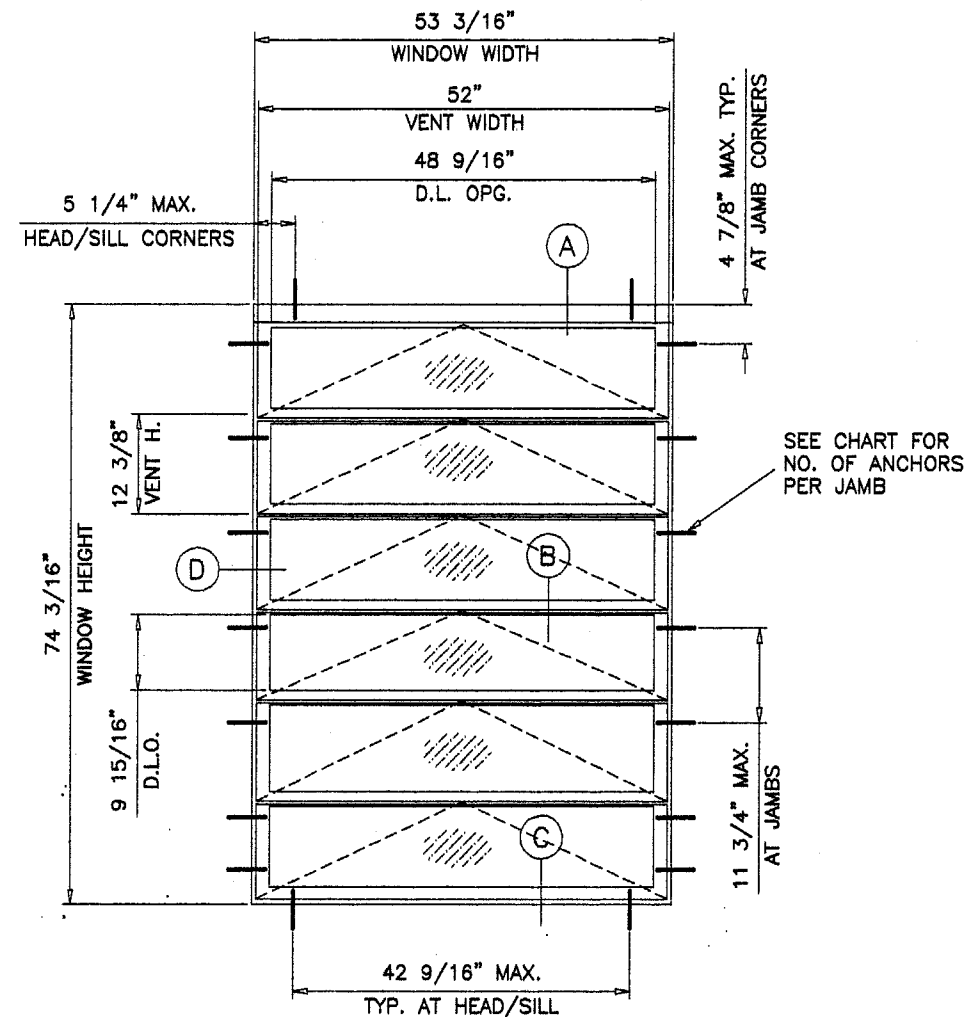
WINDOWS TO BE PROTECTED WITH
MIAMI-DADE COUNTY APPROVED
IMPACT RESISTANT SHUTTERS

SEALANTS:

FRAME AND VENT CORNERS, INSTALLATION SCREWS IN FRAME SILL
AND PERIMETERS OF OPERATOR COVER PLATE SEALED WITH
BLACK/ALUM COLORED SEALANT.



GLAZING DETAIL



TYPICAL ELEVATION
TESTED UNIT

NOTES:

- THIS PRODUCT IS DESIGNED TO COMPLY WITH THE HIGH VELOCITY HURRICANE ZONE OF THE 2001 FLORIDA BUILDING CODE. ALSO FOR WIND LOADS AS PER ASCE 7-88, ASCE 7-93, ASCE 7-95 OR ASCE 7-98 AS REQUIRED BY PREVAILING BUILDING CODE.
- WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
- ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
- ALL STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED.

Engr: DR. HUMAYOON FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538

MAX 23 2003

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 03-0530-02
Expiration Date AUG. 28, 2008
By *Manuel Serrano*
Miami Dade Product Control
Division

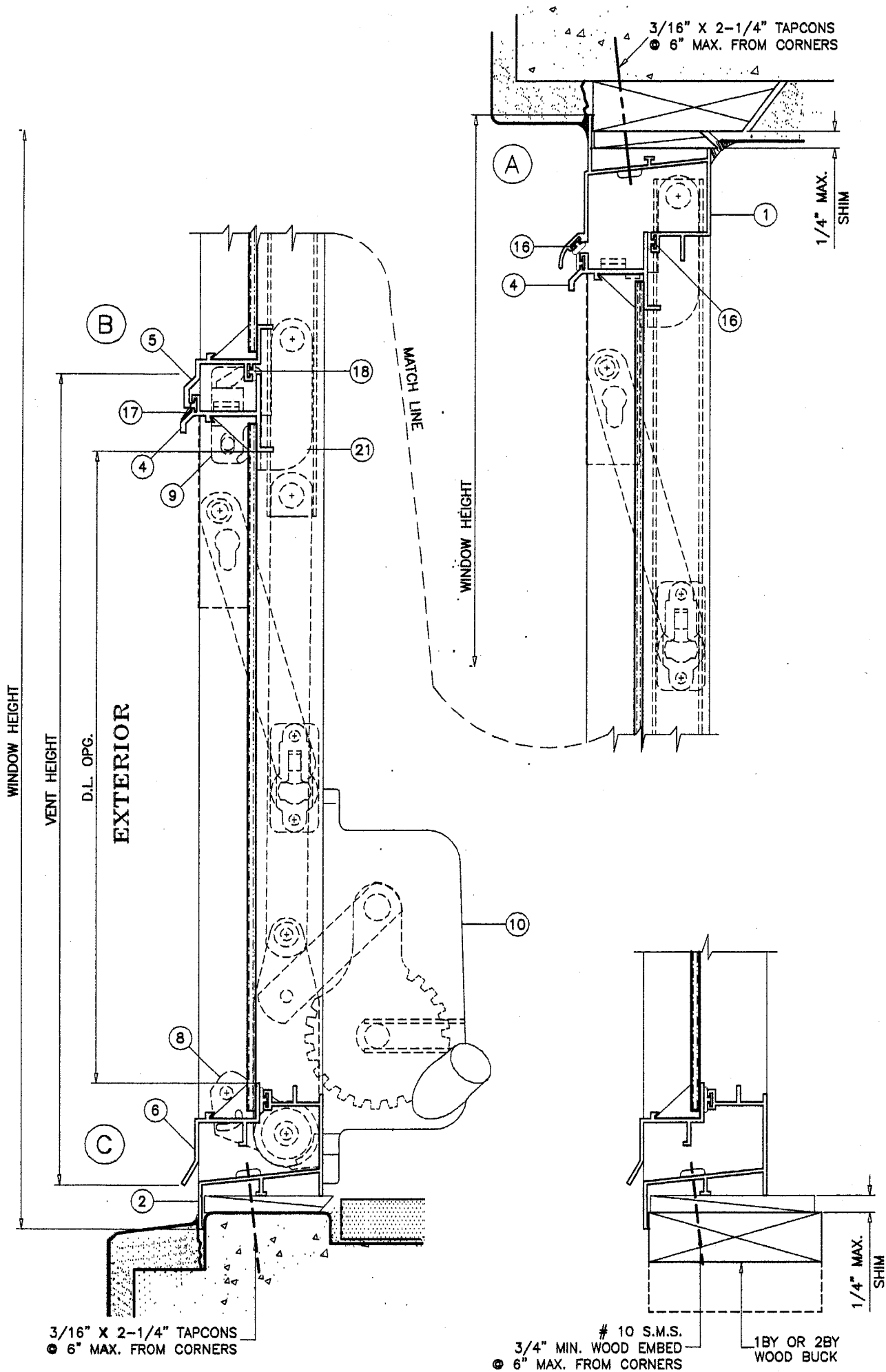
AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANI\W96-44LI-NEW

SERIES-1161 AWNING TYPE WINDOW
LAWSON INDUSTRIES
8501 N.W. 90 ST.
MEDLEY, FL. 33166
TEL. (305) 696-8660

revisions:		no	date	by	description
A	05.05.00				GENERAL REVISION
B	05.15.00				GENERAL REVISION
C	05.21.03				UPDATED FOR FBC, CHART REV.

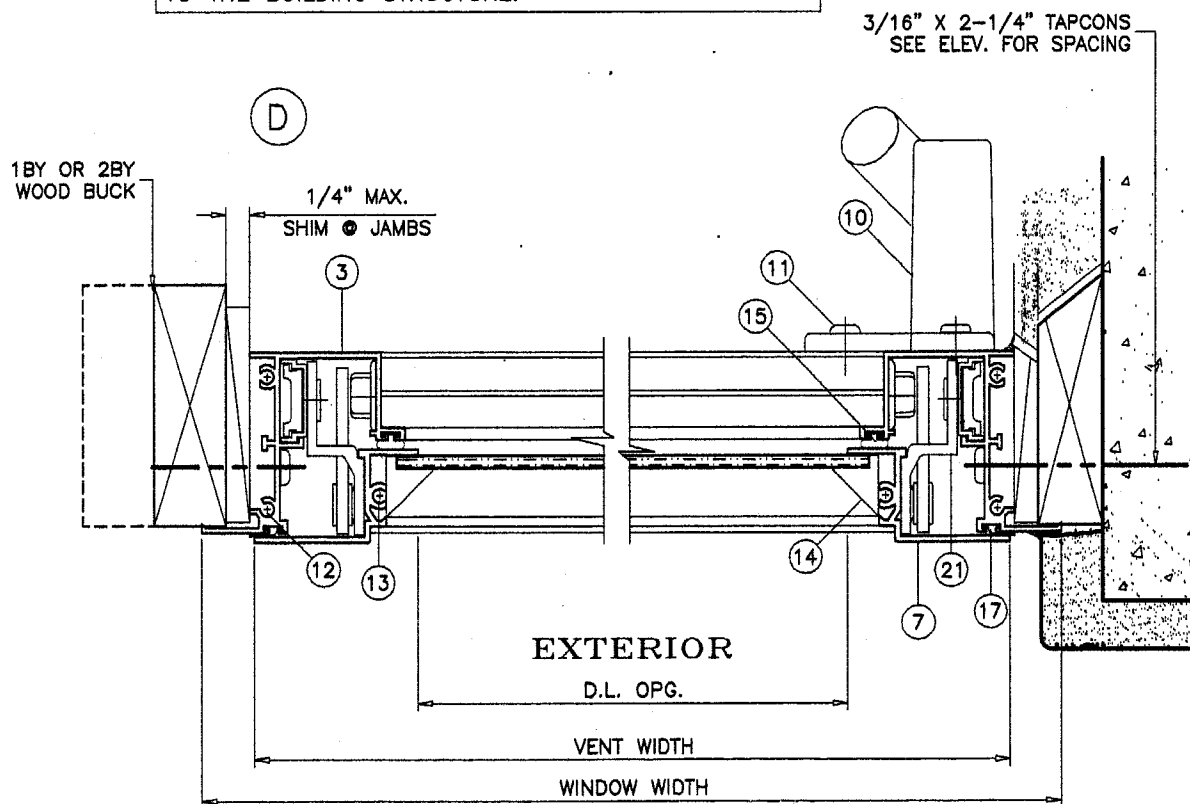
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scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W96-44
sheet 1 of 3



ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	L-1101	1	FRAME HEAD	6063-T5	-
2	L-1103	1	FRAME SILL	6063-T5	-
3	L-1102	2	FRAME JAMB	6063-T5	-
4	L-1106	1/ VENT	H.D. VENT HEAD	6063-T5	-
5	L-1107	(1/ VENT)-1	H.D. VENT SILL	6063-T5	-
6	L-1105	1/ WINDOW	BOTTOM VENT SILL	6063-T5	-
7	L-1104	2/ VENT	VENT JAMB	6063-T5	-
8	L-1118	2/ WINDOW	TORQUE BAR BEARING	NYLON	-
9	L-1120	2/ VENT	VENT LOCK	NYLON	-
10	L-1139	1/ WINDOW	ROTO OPERATOR	ZAMAK	W/ STEEL SECTOR
11	L-1140	3/ OPER.	OPERATOR MTG. SCREW	-	# 10-32 X 1/2" M.S.
12	-	8/ WINDOW	FRAME ASSY SCREW	-	# 8 X 3/4" SMS
13	-	4/ VENT	VENT ASSY. SCREW	-	# 8 X 3/4" SMS
14	L-1134	AS REQD.	GLAZING BEAD	ALUMINUM	ROLL FORMED
15	L-1122	AS REQD.	BULB WEATHER STRIPPING	VINYL	AT FRAME
16	L-1123	AS REQD.	BULB WEATHER STRIPPING	VINYL	AT FRAME HEAD
17	L-1124	AS REQD.	FLAP WEATHER STRIPPING	VINYL	AT FRAME JAMB EXTERIOR
18	L-1125	AS REQD.	BULB WEATHER STRIPPING	VINYL	VENT BOTTOM RAIL
19	L-1126	AS REQD.	BULB WEATHER STRIPPING	VINYL	VENT TOP RAIL
20	-	1/ WINDOW	5/16 BOX SCREEN	-	OPTIONAL
21	-	2/ VENT	VENT HINGE	6063T5	-

WOOD BUCKS NOT BY LAWSON, MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.



Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538

MAY 23 2003

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 03-0530.02
Expiration Date AUG. 28, 2008
By *Mamud Bisk*
Miami Dade Product Control
Division

SERIES-1161 AWNING TYPE WINDOW

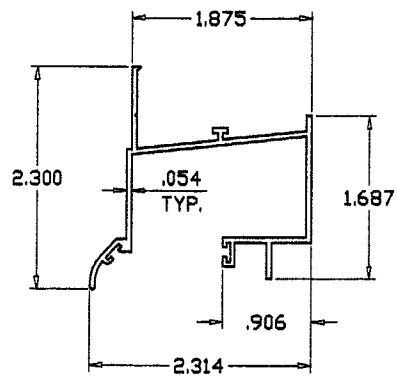
LAWSON INDUSTRIES
8501 N.W. 90 ST.
MEDLEY, FL. 33166
TEL (305) 696-8660

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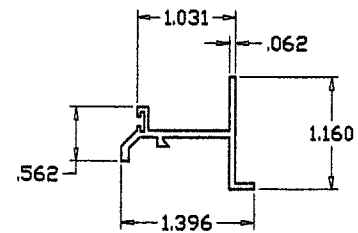
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dr. by:	HAMID
chk. by:	

drawing no.
W96-44
sheet 2 of 3

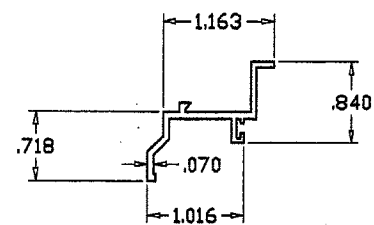
AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX (305) 262-6978
COMP-ANI\W96-44J-NEW



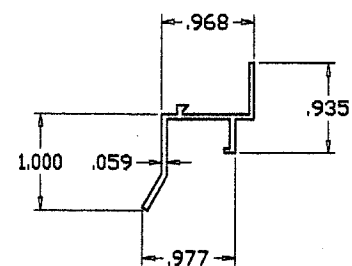
FRAME HEAD



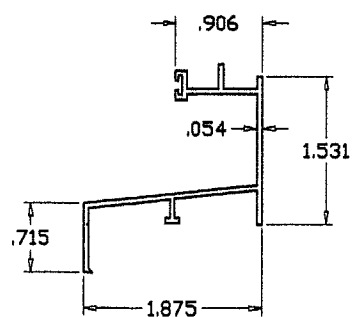
VENT HEAD



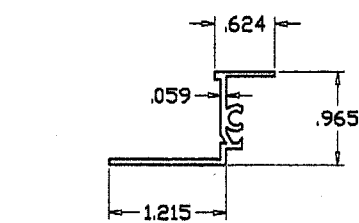
VENT SILL



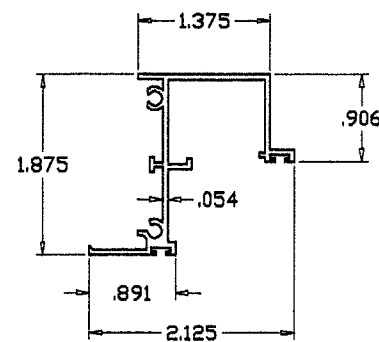
BOTTOM VENT SILL



FRAME SILL



VENT JAMB



FRAME JAMB

VENT TOP CORNER

VENT BOTTOM CORNER

FRAME TOP CORNER

FRAME BOTTOM CORNER

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538

MAY 23 2003

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 03-0590.02
Expiration Date AUG. 28, 2008
By: *Manuel Perry*
Miami Dade Product Control
Division

SERIES-1161 AWNING TYPE WINDOW

LAWSON INDUSTRIES
8501 N.W. 90 ST.
MEDLEY, FL. 33166
TEL. (305) 696-8660

no	date	by	description
C	05.21.03		NO CHANGE THIS SHEET

date: 11-21-96
scale: 1/2" = 1"
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drawing no.
W96-44
sheet 3 of 3

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
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